

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-559 REV. H OR EARLIER  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-559 REV. 1 OR EARLIER

REF. TCCA STC: SH92-17  
REF. FAA STC: SH1031NE  
REF. LBA STC: 0796/3034  
REF. JCAB STC: STC-90-TYO

The D206-559-031 Wearplate kit can be installed on D206-559-011/-021 Bearpaw installations. The D3860-041 Wearplates should be installed on the D2435 or D2671 Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions D206-559 Rev H or earlier.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 on Sheet 2 of this service instruction.


## WEIGHT AND BALANCE






Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D206-559-031 Wearplate Kit Configuration 1 -011/-021 A/B Low	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	135 in 3.43 m	232.2 in-lb 2.68 m-kg
D206-559-031 Wearplate Kit Configuration 1 -011/-021 A/B High/Float	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	134 in 3.40 m	230.5 in-lb 2.65 m-kg
D206-559-031 Wearplate Kit Configuration 2 -011/-021 A/B Low	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	126 in 3.20 m	216.7 in-lb 2.50 m-kg
D206-559-031 Wearplate Kit Configuration 2 -011/-021 A/B High/Float	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	125 in 3.18 m	215.0 in-lb 2.48 m-kg

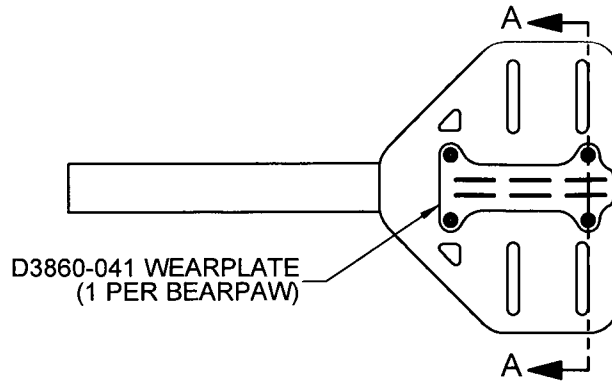
## PARTS LIST

QTY. -031	PART NUMBER	DESCRIPTION
X	D206-559-031	Wearplate Kit
2	D3860-041	Wearplate
8	AN4-15A	Bolt
8	AN4-17A	Bolt
8	NAS1149D0463J	Washer
8	MS21042L4	Nut or (MS21042-4)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

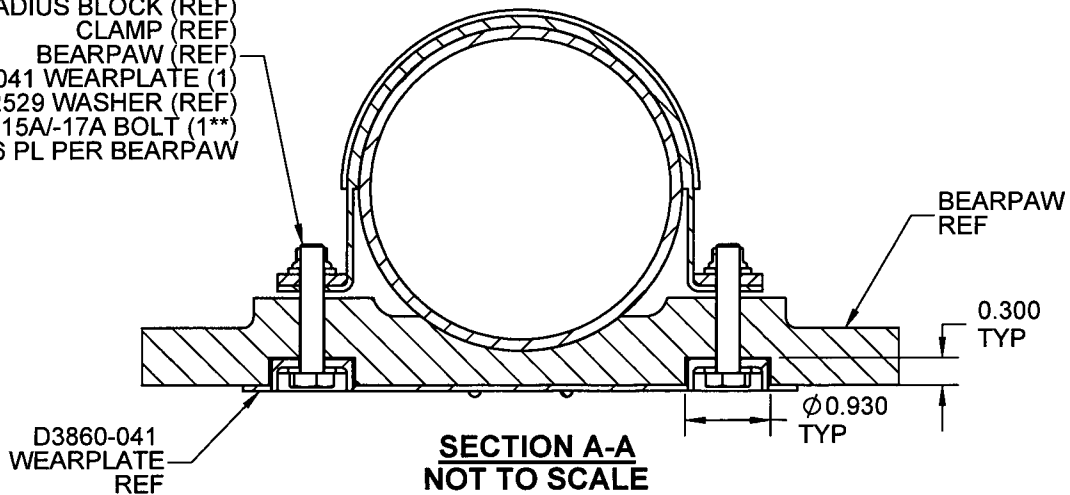
**APPROVED**  
BY:   
D. SHEPHERD (DE # 02)  
DATE: 09.01.15  
CERT. NO.: SH92-17  
ISSUE NO.: 7

A	NEW ISSUE		09.01.15
REV.	DESCRIPTION	BY	DATE
DESIGN		<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO. REV. A	
MFG. APPR.	N/A	DSI 9430 SHEET 1 OF 2	
APPROVED		TITLE SCALE	
DE APPR.		WEARPLATE KIT NTS	
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**BOTTOM VIEW**

MS21042L4 NUT(1)  
 NAS1149D0463J WASHER (1\*)  
 D2274 RADIUS BLOCK (REF)  
 CLAMP (REF)  
 BEARPAW (REF)  
 D3860-041 WEARPLATE (1)  
 D2529 WASHER (REF)  
 AN4-15A/-17A BOLT (1\*\*)   
 6 PL PER BEARPAW



\* ADDITIONAL NAS1149D0463J WASHERS  
 MAY BE INSTALLED UNDER NUTS TO  
 ENSURE 1.5 - 4 THREADS IN SAFETY ON  
 BOLTS. ALTHOUGH NOT GENERALLY  
 NECESSARY, IT IS ALSO ACCEPTABLE TO  
 REPLACE THE AN4-15A/-17A BOLTS WITH  
 LONGER OR SHORTER AN4 BOLTS, IF  
 REQUIRED.

\*\* USE AN4-15A BOLTS WITH (1)  
 NAS1149D0463J WASHER IF INSTALLING  
 BEARPAW ON Ø3.0 OR SMALLER SKIDTUBE.  
 USE AN4-17A BOLTS WITH (2) NAS1149D0463J  
 WASHERS IF INSTALLING BEARPAW ON TUBE  
 LARGER THAN Ø3.0 (DART TUBE).



**FIGURE 1: D206-559-031 WEARPLATE KIT**

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DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9430	SHEET 2 OF 2
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